

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	gamma same detector same densit\$4 same well same log\$4 and backscatter and case\$4 same (hole or borehole or (wellbore or well same bore)) same calibration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/08 11:54
L2	15	gamma same detector same densit\$4 same well same log\$4 and (backscatter\$3 or inelastic same scatter or gamma same radiation same scatter\$3) and case\$4 same (hole or borehole or (wellbore or well same bore)) same calibration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/08 11:56
L3	1	("5900627").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 12:29

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	gamma same detector same densit\$4 same well same log\$4 and backscatter and case\$4 same (hole or borehole or (wellbore or well same bore)) same calibration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/08 11:54
L2	15	gamma same detector same densit\$4 same well same log\$4 and (backscatter\$3 or inelastic same scatter or gamma same radiation same scatter\$3) and case\$4 same (hole or borehole or (wellbore or well same bore)) same calibration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/08 11:56
L3	1	("5900627").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/08 12:29
S1	168676	well Same log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 19:27
S2	1897	densit\$4 same well Same log\$4 and gamma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 19:28
S3	729	gamma same densit\$4 same well Same log\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 19:28
S4	25	gamma same densit\$4 same well Same log\$4 and backscatter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 19:28
S5	12	gamma same densit\$4 same well Same log\$4 and backscatter and case\$3 same (hole or borehole or (wellbore or well same bore))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 19:39

## EAST Search History

S6	7	((long or short) same space\$3 same detector) and gamma same densit\$4 same well Same log\$4 and backscatter and case\$3 same (hole or borehole or (wellbore or well same bore))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 20:16
S7	4	((long and short) same space\$3 same detector) and formation same densit\$4 same well same log\$4 and backscatter and case\$3 same (hole or borehole or (wellbore or well same bore))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 20:18
S8	2	((long and short) same space\$3 same detector) and formation same densit\$4 same well same log\$4 and backscatter and (case\$3 same (hole or borehole or (wellbore or well same bore)) same calibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 20:23
S9	2	(long same space\$3 same detector and short same space\$3 same detector) and formation same densit\$4 and backscatter and (case\$3 same (hole or borehole or (wellbore or well same bore)) same calibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 20:25
S10	8	formation same densit\$4 and backscatter and (case\$3 same (hole or borehole or (wellbore or well same bore)) same calibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 20:25
S11	6	formation same densit\$4 and backscatter and (case\$3 same (hole or borehole or (wellbore or well same bore)) same calibration) and detector same space\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 20:27
S12	2	formation same densit\$4 and backscatter and (case\$3 same (hole or borehole or (wellbore or well same bore)) same calibration) and detector same space\$3 and long and short and calibration\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 20:28
S13	8	("3521063" "3864569" "4048495" "4297575" "5390115" "5841135" "5859811" "6483777").pn.	US-PGPUB; USPAT	OR	ON	2005/12/11 20:31
S14	1	"20040210393".pn.	US-PGPUB; USPAT	OR	ON	2005/12/11 20:31

## EAST Search History

S15	49	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn.	US-PGPUB; USPAT	OR	ON	2005/12/11 21:29
S16	19	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool	US-PGPUB; USPAT	OR	ON	2005/12/11 21:34

## EAST Search History

S17	10	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation and densit\$3	US-PGPUB; USPAT	OR	ON	2005/12/11 21:36
S18	6	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation and densit\$3 and calibration	US-PGPUB; USPAT	OR	ON	2005/12/11 21:37

## EAST Search History

S19	6	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration	US-PGPUB; USPAT	OR	ON	2005/12/11 21:38
S20	6	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma	US-PGPUB; USPAT	OR	ON	2005/12/11 21:38

## EAST Search History

S21	6	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3	US-PGPUB; USPAT	OR	ON	2005/12/11 21:38
S22	1	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3 same hole	US-PGPUB; USPAT	OR	ON	2005/12/11 21:39

## EAST Search History

S23	4	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3 and hole	US-PGPUB; USPAT	OR	ON	2005/12/11 21:39
S24	6	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013").pn. and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3	US-PGPUB; USPAT	OR	ON	2005/12/11 23:16



## EAST Search History

S25	10	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013") and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3	US-PGPUB; USPAT	OR	ON	2005/12/11 23:17
S26	10	("5627368" "5525797" "4618765" "5912460" "5841135" "5900627" "6051830" "4506156" "4950892" "5481105" "6207953" "6768106" "5323684" "5359195" "4129777" "4529877" "5205167" "4814611" "5530243" "5659169" "4578580" "5334833" "5377105" "5847384" "3617746" "3882309" "4849627" "4958073" "5242020" "5282133" "5349184" "5350925" "6666285" "6696684" "6738720" "6936812" "5825024" "4917188" "5361830" "5373899" "5439290" "5821413" "6223656" "6223656" "4445033" "5552598" "4587423" "5012091" "5406078" "5729013") and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 23:17
S27	0	("5627368" "5525797") and long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/11 23:18

## EAST Search History

S28	58	long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 01:10
S29	4	long same spac\$3 and short same spac\$3 and case\$3 and logging and tool and computer\$4 and detector\$3 and formation same densit\$3 and calibration and gamma and case\$3 and backscatter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 01:11
S30	0	long and short same space\$3 same detector and formation same densit\$4 same well same log\$4 and backscatter and case\$3 same (hole or borehole or (wellbore or well same bore)) same calibration	US-PGPUB	OR	ON	2007/01/06 18:29
S31	3	gamma same detector same densit\$4 same well same log\$4 and backscatter and case\$4 same (hole or borehole or (wellbore or well same bore)) same calibration	US-PGPUB	OR	ON	2007/01/08 11:51

	U	1	Document ID	Issue Date	Page s	Title	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4
1			US 20040222368 A1	20041111	17	Apparatus and method for determining density, porosity and fluid saturation of formations penetrated by a borehole	250/269.2	250/269.4; 250/269.6; 250/269.7		Odom, Richard C. et al.	X					
2		X	US 20040210393 A1	20041021	8	Measuring formation density through casing	702/8			Ellis, Darwin V. et al.	X					
3			US 20030178560 A1	20030925	17	Apparatus and method for determining density, porosity and fluid saturation of formations penetrated by a borehole	250/269.2	250/269.4; 250/269.6; 250/269.7		Odom, Richard C. et al.	X					
4			US 6936812 B2	20050830	16	Apparatus and method for determining density, porosity and fluid saturation of formations penetrated by a borehole	250/269.5	250/269.1; 250/269.4		Odom; Richard C. et al.	X					
5			US 6207953 B1	20010327	15	Apparatus and methods for determining gas saturation and porosity of a formation penetrated by a gas filled or liquid filled borehole	250/269.4	250/269.6; 250/269.8		Wilson; Robert D.	X					
6		X	US 5350925 A	19940927	12	Methods for determining values for earth formation properties	250/269.3	250/264; 702/8		Watson; Charles C.	X					
7		X	US 5282133 A	19940125	13	Nuclear logging methods for determining values of earth formation properties via use of calibration database and a spatial deconvolution inversion matrix	702/8	702/11		Watson; Charles C.	X					

	Image Doc. Displayed	PT
1	US 20040222368	
2	US 20040210393	
3	US 20030178560	
4	US 6936812	
5	US 6207953	
6	US 5350925	
7	US 5282133	